



Position Description – Research Fellow

Position Details

Position Title:	Research Fellow
Position Number:	New
College/Portfolio:	Science, Engineering and Health
School/Group:	School of Engineering
Campus Location:	Based at the Bundoora campus, but may be required to work and/or be based at other campuses of the University.
Classification:	Academic Level B
Employment Type:	Fixed term 2.5 years
Time Fraction:	1.0

RMIT University

RMIT is a leading multi-sector university of technology, design and enterprise with more than 91,000 students and 11,000 staff globally. We offer postgraduate, undergraduate, vocational education and online programs to provide students with a variety of work-relevant pathways.

Our purpose is to offer life-changing experiences for our students, and to help shape the world with research, innovation, teaching and industry engagement. With strong industry connections forged over 130 years, collaboration with industry remains integral to RMIT's leadership in education, applied and innovative research, and to the development of highly skilled, globally-focused graduates.

With three campuses in Melbourne (Central Business District, Brunswick and Bundoora), two in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain, RMIT is a truly global university. RMIT also offers programs through partners in Singapore, Hong Kong, mainland China, Indonesia, Sri Lanka, Belgium, Germany, Austria and The Netherlands, and enjoys research and industry partnerships on every continent.

We are also committed to redefining our relationship in working with and supporting Aboriginal self-determination. Our goal is to achieve lasting transformation by maturing our values, culture, policy and structures in a way that embeds reconciliation in everything we do. We are changing our ways of knowing, working and being to support sustainable reconciliation and activate a relationship between Indigenous and non-Indigenous staff, students and community. Our three campuses in Melbourne (City, Brunswick and Bundoora campuses) are located on the unceded lands of the people of the Woi Wurrung and Boon Wurrung language groups of the eastern Kulin Nation

We're proud to share with you:

- The launch of our second [Reconciliation Plan for Dhumbah Goorowa – a “commitment to share” – an important step in our reconciliation journey.](#)
- RMIT University is an **Athena SWAN** member with Bronze Award accreditation and the College of Science, Engineering and Health is central to driving improvements in gender equality, diversity and inclusion, particularly in the Science, Technology, Engineering, Mathematics and Medicine (STEMM) disciplines.
- RMIT was placed **10th in the 2019 Randstad Employer Brand Research Awards**, up five spots from 2018.

- We were named as an **Employer of Choice for Gender Equality** by the Workplace Gender Equality Agency in 2019.
- We achieved **Gold Employer status for LGBTIQ** inclusion in the Australian Workplace Equality Index (AWEI) in 2018 and now in 2019.
- We were recognised as a **top five employer in 2018 for workplace accessibility** with the Australian Network on Disability.

RMIT Standings in university rankings

RMIT has a deep commitment to innovation, research and teaching, we are a 5-Star university under the QS Stars international evaluation system and are **238th globally in QS World University Rankings 2020** (moved up 12 places compared to 250th last year), being also 32nd in the world among universities less than 50 years old (2014 QS Top 50 Under 50 index). Additionally:

- In the 2019 QS World University Rankings by Subject, RMIT was positioned 12th in the world (highest ranked in Australia) in Art and Design, 22nd in the world (fourth highest in Australia) in Architecture and the Built Environment, and 37th in Media and Communications. We are also among the world's top 100 universities in Engineering (Civil and Structural; Electrical and Electronic; and Mechanical, Mechanical, Aeronautical and Manufacturing); Accounting and Finance; and Business and Management Studies).
- In the 2018 QS Rankings by Subject, RMIT was ranked 11th in the world and number one in the Asia Pacific for Art and Design, and 26th in Architecture and the Built Environment. RMIT is also among the world's top 100 universities in Engineering (Civil and Structural; Electrical and Electronic; and Computer Science and Information Systems); Accounting and Finance; Business and Management Studies; and Communication and Media Studies. The 2018 Shanghai Ranking's Global Ranking of Academic Subjects highlighted RMIT's strength in Engineering and Technology in particular.
- In the specialised rankings, RMIT is ranked 77th in the QS Graduate Employability Rankings 2020 and 82nd in the inaugural Times Higher Education University Impact Rankings 2019.
- RMIT also ranks in the world's **top 400** in the 2019 Academic Ranking of World Universities and in the world's **top 400** in 2020 Times Higher Education World University Rankings.

For more information, visit rmit.edu.au/about

College/Portfolio/Group

The College comprises four Schools delivering a broad range of programs in science, engineering, health and technology at apprenticeship, certificate, bachelor, masters and PhD levels. Many programs articulate between vocational and higher education, creating pathways for further study. There is a vibrant research community attracting funding from a range of government and industry sources.

School of Engineering

The School of Engineering comprises a diverse range of disciplines: Aerospace Engineering & Aviation; Chemical & Environmental Engineering; Civil & Infrastructure Engineering; Electrical & Biomedical Engineering; Electronic & Telecommunication Engineering; Manufacturing, Materials & Mechatronic Engineering; Mechanical & Automotive Engineering.

As a top 100 university in the world for engineering (2015 QS Rankings by Faculty; Engineering and Technology), RMIT Engineering provides students with work-relevant education programs, access to excellent research facilities and opportunities to engage in creative real-world project work through robust relations with local and international industry leaders.

RMIT Engineering's education is based on innovation and creativity. Key discipline areas in the School of Engineering provide programs with flexible pathways to global careers or postgraduate research.

Details relating to the School/College Office may be found on at: www.rmit.edu.au/seh

Position Summary

The Research Fellow is expected to contribute to the research efforts of the School, in particular that of the Aerospace and Aviation Discipline, in the field of Composite Materials and Structures. The Research Fellow will be responsible for conducting computational and experimental research into fibre-reinforced composites into several topics, including Additive Manufacturing and Novel Joining Technologies.

The Research Fellow will also contribute to the teaching activities of the School and for maintaining and advancing their scholarly, research and/or professional capabilities. They are expected to work collaboratively and collegially with officer academics within the teaching and research teams, and update colleagues and students on developments in their subject area or specialisation.

Reporting Line

Reports to: Associate Dean, Aerospace and Aviation Engineering

Organisational Accountabilities

RMIT University is committed to the health, safety and wellbeing of its staff. RMIT and its staff must comply with a range of statutory requirements, including equal opportunity, occupational health and safety, privacy and trade practice. RMIT also expects staff to comply with its policy and procedures, which relate to statutory requirements and our ways of working.

Appointees are accountable for completing training on these matters and ensuring their knowledge and the knowledge of their staff is up to date.

Key Accountabilities

1. Undertake high-impact research in composite materials and structures producing high-quality deliverables to the defence and other external partners.
2. Successfully undertake and complete research tasks to the required qualitative standards within the agreed timeframes and resources as specified by the project plan.
3. Participate in the various activities of the Multifunctional Composites Research Team yielding measurable outcomes including journal publications and attracting external funding.
4. Support the research performance and reputation of the School through appropriate interaction with defence, industry and other research organisations involved in the research.
5. Provide research guidance to undergraduate and postgraduate students.
6. Undertake a range of administrative functions associated with the research project s/he is undertaking.
7. Undertake teaching duties up to 10% of fulltime load.
8. Other duties as directed.

Key Selection Criteria

1. Advanced knowledge and expertise in composite materials and/or composite structures.
2. Proficiency in Finite Element software such as Abaqus and expertise in the manufacturing and testing of composites.
3. Demonstrated track record of high quality basic and applied research.
4. Established track record of Scopus-indexed publications in a research field relevant to this project.
5. Ability to clearly communicate research approaches, concepts and outcomes.
6. Ability and drive to work effectively as a team member.
7. Ability and drive to write competitive applications for research grants.
8. Ability and drive to contribute to undergraduate or postgraduate course development/redevelopment and teaching/supervision.
9. Demonstrated experience in project management.

Qualifications

Mandatory: Appropriate academic qualifications in the relevant discipline area. The successful candidate must be about to complete or have completed their PhD in Aerospace, Mechanical or Manufacturing Engineering or in a closely related subject.

Appointment to this position is subject to passing a Working with Children check.

Preferred: Completion of the Essentials in Tertiary Teaching Practice program or equivalent¹ (if the appointed candidate does not meet this requirement at time of appointment, they will be supported to complete this as a requirement to fulfil their probation).

Endorsed:	Signature:	Approved:	Signature:
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¹ Equivalence is defined in the exemption criteria at <http://www.rmit.edu.au/browse;ID=3sdrya7u8m9v1>

	Name: Title Date:		Name: Adrian Mouritz Title: Executive Dean, Engineering Date: 16/09/2020
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